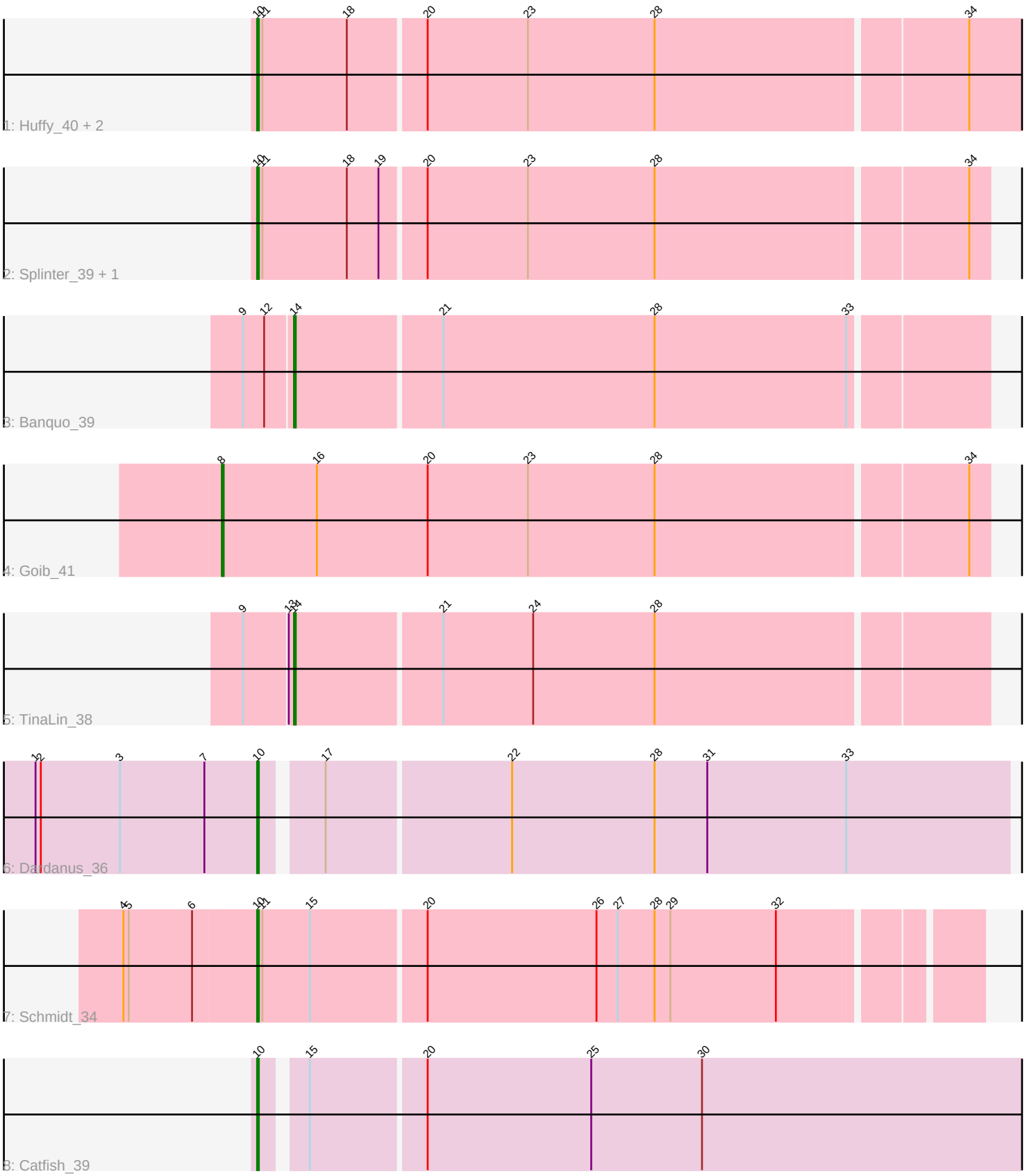
Pham 197012


10
11
18
20
23
28
34
1: Huffy_40 + 2
10
11
18
19
20
23
28
34
2: Splinter_39 + 1
9
12
14
21
28
33
3: Banquo_39
8
16
20
23
28
34
4: Goib_41
9
13
14
21
24
28
5: TinaLin_38
12
3
7
10
17
22
28
31
33
6: Dardanus_36
4
5
6
10
11
15
20
26
27
28
29
32
7: Schmidt_34
10
15
20
25
30
8: Catfish_39

Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 197012 Report

This analysis was run 12/09/24 on database version 580.

Pham number 197012 has 11 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Huffy_40, TZGordon_41, DinoDaryn_40
• Track 2 : Splinter_39, Vendetta_39
• Track 3 : Banquo_39
• Track 4 : Goib_41
• Track 5 : TinaLin_38
• Track 6 : Dardanus_36
• Track 7 : Schmidt_34
• Track 8 : Catfish_39

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 10, it was called in 8 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Catfish_39, Dardanus_36, DinoDaryn_40, Huffy_40, Schmidt_34, Splinter_39, TZGordon_41, Vendetta_39,

Genes that have the "Most Annotated" start but do not call it:
•

Genes that do not have the "Most Annotated" start:
• Banquo_39, Goib_41, TinaLin_38,

Summary by start number:

Start 8:
• Found in 1 of 11 (9.1%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Goib_41 (CU1),

Start 10:
• Found in 8 of 11 (72.7%) of genes in pham

• Manual Annotations of this start: 8 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Catfish_39 (CU5), Dardanus_36 (CU3), DinoDaryn_40 (CU1), Huffy_40 (CU1), Schmidt_34 (CU4), Splinter_39 (CU1), TZGordon_41 (CU1), Vendetta_39 (CU1),

Start 14:
• Found in 2 of 11 (18.2%) of genes in pham
• Manual Annotations of this start: 2 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Banquo_39 (CU1), TinaLin_38 (CU1),

Summary by clusters:

There are 4 clusters represented in this pham: CU5, CU4, CU3, CU1,

Info for manual annotations of cluster CU1:
•Start number 8 was manually annotated 1 time for cluster CU1.
•Start number 10 was manually annotated 5 times for cluster CU1.
•Start number 14 was manually annotated 2 times for cluster CU1.

Info for manual annotations of cluster CU3:
•Start number 10 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU4:
•Start number 10 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster CU5:
•Start number 10 was manually annotated 1 time for cluster CU5.

Gene Information:

Gene: Banquo_39 Start: 28265, Stop: 27882, Start Num: 14
Candidate Starts for Banquo_39:
(9, 28292), (12, 28280), (Start: 14 @28265 has 2 MA's), (21, 28184), (28, 28064), (33, 27956),

Gene: Catfish_39 Start: 29601, Stop: 29161, Start Num: 10
Candidate Starts for Catfish_39:
(Start: 10 @29601 has 8 MA's), (15, 29580), (20, 29517), (25, 29424), (30, 29361),

Gene: Dardanus_36 Start: 26552, Stop: 26139, Start Num: 10
Candidate Starts for Dardanus_36:
(1, 26678), (2, 26675), (3, 26630), (7, 26582), (Start: 10 @26552 has 8 MA's), (17, 26522), (22, 26420), (28, 26339), (31, 26309), (33, 26231),

Gene: DinoDaryn_40 Start: 28489, Stop: 28061, Start Num: 10
Candidate Starts for DinoDaryn_40:
(Start: 10 @28489 has 8 MA's), (11, 28486), (18, 28438), (20, 28396), (23, 28339), (28, 28267), (34, 28096),

Gene: Goib_41 Start: 29185, Stop: 28757, Start Num: 8

Candidate Starts for Goib_41:
(Start: 8 @29185 has 1 MA's), (16, 29131), (20, 29068), (23, 29011), (28, 28939), (34, 28768),

Gene: Huffy_40 Start: 28489, Stop: 28061, Start Num: 10
Candidate Starts for Huffy_40:
(Start: 10 @28489 has 8 MA's), (11, 28486), (18, 28438), (20, 28396), (23, 28339), (28, 28267), (34, 28096),

Gene: Schmidt_34 Start: 25761, Stop: 25366, Start Num: 10
Candidate Starts for Schmidt_34:
(4, 25836), (5, 25833), (6, 25797), (Start: 10 @25761 has 8 MA's), (11, 25758), (15, 25731), (20, 25668), (26, 25572), (27, 25560), (28, 25539), (29, 25530), (32, 25470),

Gene: Splinter_39 Start: 29090, Stop: 28686, Start Num: 10
Candidate Starts for Splinter_39:
(Start: 10 @29090 has 8 MA's), (11, 29087), (18, 29039), (19, 29021), (20, 28997), (23, 28940), (28, 28868), (34, 28697),

Gene: TZGordon_41 Start: 28404, Stop: 28000, Start Num: 10
Candidate Starts for TZGordon_41:
(Start: 10 @28404 has 8 MA's), (11, 28401), (18, 28353), (20, 28311), (23, 28254), (28, 28182), (34, 28011),

Gene: TinaLin_38 Start: 27938, Stop: 27555, Start Num: 14
Candidate Starts for TinaLin_38:
(9, 27965), (13, 27941), (Start: 14 @27938 has 2 MA's), (21, 27857), (24, 27806), (28, 27737),

Gene: Vendetta_39 Start: 29090, Stop: 28686, Start Num: 10
Candidate Starts for Vendetta_39:
(Start: 10 @29090 has 8 MA's), (11, 29087), (18, 29039), (19, 29021), (20, 28997), (23, 28940), (28, 28868), (34, 28697),